



***"Investing in Africa's Future"***

**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES**

**DEPARTMENT OF HEALTH SCIENCES**

**SNS 324: HUMAN PHYSIOLOGY**

**END OF SEMESTER EXAMINATIONS**

**NOVEMBER/DECEMBER 2017**

**LECTURER: MR. CM NZVENGA**

**DURATION: 3 HOURS**

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***INSTRUCTIONS***

**ANSWER ALL THREE QUESTIONS**

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**The mark allocation for each question is indicated at the end of the question**

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**Credit will be given for logical, systematic and neat presentations**

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**Question 1.**

- (a) Describe the role of renin-angiotensin aldosterone system in the regulation of blood pressure and extracellular fluid (12)
- (b) Using graphical illustration explain the Bohr effect (8)

**Question 2.**

Write short notes on any two of the following:-

- (a) The physiology of emotion (10)
- (b) Boyle's law and the mechanism of respiration. (10)
- (c) Oxidative phosphorylation (10)

**Question 3.**

- (a) With the aid of a diagram describe the circulatory system (12)
- (b) Explain how a nerve impulse is generated (10)

**Total 60 marks**